



<b>Form: Course Syllabus</b>	<b>Form Number</b>	EXC-01-02-02A
	<b>Issue Number and Date</b>	2/3/24/2022/2963 05/12/2022
	<b>Number and Date of Revision or Modification</b>	2023/10/15
	<b>Deans Council Approval Decision Number</b>	265/2024/24/3/2
	<b>The Date of the Deans Council Approval Decision</b>	2024/1/23
	<b>Number of Pages</b>	06

1.	<b>Course Title</b>	Technical Skills in Restoration
2.	<b>Course Number</b>	2602463
3.	<b>Credit Hours (Theory, Practical)</b>	3
	<b>Contact Hours (Theory, Practical)</b>	3
4.	<b>Prerequisites/ Corequisites</b>	
5.	<b>Program Title</b>	<b>BA in Cultural Resources Management and Conservation</b>
6.	<b>Program Code</b>	02
7.	<b>School/ Center</b>	<b>School of Archaeology and Tourism</b>
8.	<b>Department</b>	<b>Cultural Resources Management and Conservation</b>
9.	<b>Course Level</b>	2
10.	<b>Year of Study and Semester (s)</b>	<b>1st Semester 2024/2025</b>
11.	<b>Program Degree</b>	BA
12.	<b>Other Department(s) Involved in Teaching the Course</b>	N/A
13.	<b>Learning Language</b>	Arabic
14.	<b>Learning Types</b>	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15.	<b>Online Platforms(s)</b>	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams
16.	<b>Issuing Date</b>	
17.	<b>Revision Date</b>	01/12/2025

**18. Course Coordinator:**

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**19. Other Instructors:**



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## 20. Course Description:

As stated in the approved study plan.

The course trains students on the basic knowledge of various technical and manual skills related to conservation such as painting, drawing, decoration, sculpture and gesso works, which enable them to master the process of restoration and maintenance of archaeological materials. Also students are trained on the personal skills to produce some simple tools for the purpose of use in the restoration of archaeological materials.

## 21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PILO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
Applies the principles of critical and objective thinking in addressing heritage protection issues.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Identifies and deeply understands problems and challenges, analyzing the complex aspects of heritage and influencing factors, providing comprehensive and detailed assessments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Develops innovation and entrepreneurship skills in the field of heritage resource management, exploring new opportunities for funding and development.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Engages and discusses effectively with local communities and groups interested in heritage, understanding the impact of heritage resources on cultural identity and community development.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Identify, understands, and critically evaluates academic sources, articles, and research related to heritage and its management to extract main ideas and fundamental concepts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Listens attentively and focused to lectures and discussions, engaging with the presented content thoughtfully and comprehensively.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Selects and critically evaluates information and ideas, independently analyzing data and evidence.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Develops and identifies strategies for problem-solving, applying acquired concepts and skills in practical contexts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Utilizes various digital technologies and tools in managing, documenting, and conserving heritage resources, such as using electronic information management systems and imaging, documentation, and analysis techniques.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Innovates new and creative solutions to the challenges of heritage resource management and conservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collects and comprehensively analyzes data and information, extracting main ideas and fundamental concepts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluates results, monitors performance, and analyzes data and information to determine the achievement of goals and identify areas needing improvement and development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Implements effective plans and strategies for managing heritage resources, organizing relevant activities and events.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

**22. Course Intended Learning Outcomes:** (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyse	Evaluate	Create	
K1 Training students on skills that help in archaeological and heritage artefacts conservation and restoration of process (documentation, cleaning,	K1	K1					<b>Knowledge</b>



examination, joining, reconstruction, consolidation and non-intervention stabilization.							
K2 Training students on decision taking in different cases of conservation and restoration of archaeological and heritage artefacts..		K2					<b>Knowledge</b>
K3 Training students on self-skills development that will benefit for the conservation and restoration of artefacts		S1					<b>Skills</b>
S1 Determine the types of materials and methods used in heritage conservation							
S2 Determine methods of treatment for the rehabilitation restoration techniques		S2					<b>Skills</b>



S3 Examine stones, metal, wood and prepare a condition report							
-C1 Recognize deterioration forms in organic /non organic materials and methods of their examination			C1	C1			<b>Competency</b>
-C2 Design and prepare a suitable plans for the use in restoration of heritage artifacts.			C2	C2	C2		<b>Competency</b>

**23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PILOs:**

PILO's * CLO's	1	2	3	4	5	6	7	8	9	10	11	12	13	Descriptors**		
														A	B	C
K1. Know the basic principles of preventive conservation.	*													*		
K2. Know the steps of preventive conservation in museums.	*													*		
S1. Identify the archaeological									*						*	



materials deterioration.																		
S2. Identify the types of archaeological materials in museums.											*						*	
C1. Ability to work within an team work to prevent the archaeological materials from deterioration.											*	*						*
C2. Determine all the preventive conservation processes.										*	*	*						*

**\*Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

**\*\*Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**

#### 24. Topic Outline and Schedule:



Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1	The history of conservation & restoration of artefacts and the process of conservation		Face to Face		Synchronous	Assignments, participation, presentations and exams.	Text-based resources guest speakers, Museum experts
	1.2	The history of conservation & restoration of artefacts and the process of conservation	K1					
	1.3	The history of conservation & restoration of artefacts and the process of conservation	K1					
2	2.1	Skills in documentation: Photography	K1					
	2.2	Skills in documentation: Photography	K1					
	2.3	Skills in documentation: Photography	K2					
3	3.1	Skills in documentation: Sketches and accurate drawing	K2					
	3.2	Skills in documentation: Sketches and accurate drawing	K2					
	3.3	Skills in documentation: Sketches and accurate drawing	K2					
4	4.1	Skills in documentation: writing reports and notes	K1+K2					



	4.2	Skills in documentation: writing reports and notes	K1+K2					
	4.3	Skills in documentation: writing reports and notes	K1+K2					
5	5.1	Skills in examination the artefacts	S1					
	5.2	Skills in examination the artefacts	S1					
	5.3	Skills in examination the artefacts	S1					
6	6.1	Skills in cleaning artefacts	S1					
	6.2	Skills in cleaning artefacts	S1					
	6.3	Skills in cleaning artefacts	S1					
7	7.1	Skills for dealing with chemical materials	S1+S2					
	7.2	Skills for dealing with chemical materials	S1+S2					
	7.3	Skills for dealing with chemical materials	S1+S2					
8	8.1	Skills in joining broken fragments	S1+S2					
	8.2	Skills in joining broken fragments	S1+S2					
	8.3	Skills in joining broken fragments	S1+S2					
9	9.1	Skills in gap-filling the missing fragments	S1+S2					
	9.2	Skills in gap-filling the missing fragments	S1+S2					
	9.3	Skills in gap-filling the missing fragments	S1+S2					
10	10.1	Skills in active stabilization (coating, consolidation)	S1+S2					
	10.2	Skills in active stabilization (coating, consolidation)	S1+S2					
	10.3	Skills in active stabilization (coating, consolidation)	S1+S2					
11	11.1	Skills in passive stabilization (preventive conservation)	S1+S2					



	11.2	Skills in passive stabilization (preventive conservation)	S1+S2					
	11.3	Skills in passive stabilization (preventive conservation)	S1+S2					
12	12.1	The other sciences helping conservation & restoration sectors	S2+C1					
	12.2	The other sciences helping conservation & restoration sectors	S2+C1					
	12.3	The other sciences helping conservation & restoration sectors	S2+C1					
13	13.1	Skills in communications with different related networking	S2+C1					
	13.2	Skills in communications with different related networking	S2+C1					
	13.3	Skills in communications with different related networking	S2+C1					
14	14.1	Practical work	C1+C2					
	14.2	Practical work	C1+C2					
	14.3	Practical work	C1+C2					
15	15.1	Preventive Conservation of Pottery	C2					
	15.2	Preventive Conservation of Stones	C2					
	15.3	Preventive Conservation of Metals	C2					

## 25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	*Mark wt.	CILO's
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		K1	K2	S1	S2	C1	C2
First Exam	30	*	*				
Second Exam –If any							
Final Exam	50	*	*	*	*	*	*
**Class work							
Projects/reports	20	*	*	*	*	*	*
Research working papers							
Field visits							
Practical and clinical							
Performance Completion file							
Presentation/ exhibition							
Any other approved works							
Total 100%	100						

\* According to the instructions for granting a Bachelor's degree.

\*\*According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.

Mid-term exam specifications table\*

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CILO/ Weight	CILO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										K1
										K2
										S1
										S2
										C1
										C2

Final exam specifications table



No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CILO Weight	CILO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										K1
										K2
										S1
										S2
										C1
										C2

## 26. Course Requirements:

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):

Internet, MS teams

## 27. Course Policies:

A- Attendance policies:

B- Absences from exams and submitting assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy:

F- Available university services that support achievement in the course:

All of the mentioned policies and requirements will be followed in all potential cases according to the university regulations and procedure

## 28. References:

A- Required book(s), assigned reading and audio-visuals:

Cronyn, J.M.1990. The Elements of Archaeological Conservation, London

B- Recommended books, materials, and media:

Wiley, j and Sons. Archaeological Chemistry, New York.

Alcantara.R. 2002. Standards in Preventive Conservation: Meaning and Applications. ICCROM. Rome.

## 29. Additional information:



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Name of the Instructor or the Course Coordinator: Dr. yazan al-tell	Signature: .....	Date: 9/12/2025
Name of the Head of Quality Assurance Committee/ Department .....	Signature: .....	Date: .....
Name of the Head of Department .....	Signature: .....	Date: .....
Name of the Head of Quality Assurance Committee/ School or Center .....	Signature: .....	Date: .....
Name of the Dean or the Director .....	Signature: .....	Date: .....